

ABSTRACT OF THE DISCLOSURE

An array system that enables compact positioning of optoelectronic modules, such as optical transceiver modules, within an optical device is disclosed. The array system increases the optical port density of the modules within the optical device, which can comprise an optical switch, an optical router, or the like. In one embodiment, the array system includes a host board and a plurality of daughter cards that connect with the host board edge-on in a perpendicular orientation. A cage is mounted to each daughter card, and an optical transceiver module is received into each cage to electrically connect with a connector receptacle that is positioned on the daughter card. A connectorized optical fiber can be connected to the optical ports of the transceiver using a release sleeve that enables engagement and disengagement of the optical fiber without difficulty despite the increased port density.

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